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## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **LISTING OF CLAIMS:**

Claims 1-7 (canceled).

Claim 8 (new): A surface-acoustic-wave-sensor-included oscillator circuit comprising:

a piezoelectric substrate;

an electrode arranged on the piezoelectric substrate so as to excite a surface acoustic wave;

a reaction film arranged on the piezoelectric substrate so as to cover the electrode and so as to excite a surface acoustic wave, the reaction film being bound to a target substance or a binding material to be bound to the target substance; and

a surface acoustic wave sensor that is capable of detecting a bit of mass loading on the basis of a variation in frequency being connected as a resonator; wherein

the surface-acoustic-wave-sensor-included oscillator circuit includes a direct-current cutting capacitor connected in series to the surface acoustic wave sensor, and an impedance matching circuit including the direct-current cutting capacitor is provided in the surface-acoustic-wave-sensor-included oscillator circuit.

Claim 9 (new): The surface-acoustic-wave-sensor-included oscillator circuit according to Claim 8, wherein the impedance matching circuit includes an inductance element connected in series to the direct-current cutting capacitor, a first capacitor connected between one end of the inductance element and ground potential, and a second capacitor connected between the other end of the inductance element and the ground potential.

Claim 10 (new): The surface-acoustic-wave-sensor-included oscillator circuit according to Claim 8, further comprising a resistor connected between a connection

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point between the surface acoustic wave sensor and the direct-current cutting capacitor and the ground potential.

Claim 11 (new): The surface-acoustic-wave-sensor-included oscillator circuit according to Claim 8, wherein the surface acoustic wave sensor includes a two-port surface acoustic wave resonator.

Claim 12 (new): The surface-acoustic-wave-sensor-included oscillator circuit according to Claim 11, wherein the surface acoustic wave sensor has first and second ports, the surface-acoustic-wave-sensor-included oscillator circuit includes first and second direct-current cutting capacitors as the direct-current cutting capacitor, and the surface-acoustic-wave-sensor-included oscillator circuit includes, as the impedance matching circuit, a first impedance matching circuit that has first and second terminals, the first terminal being connected to the first port, and includes the first direct-current cutting capacitor, and a second impedance matching circuit that has first and second terminals, the first terminal being connected to the second port, and includes the second direct-current cutting capacitor, and wherein the surface-acoustic-wave-sensor-included oscillator circuit further includes a transistor connected to the second terminal of the first impedance matching circuit and to the second terminal of the second impedance matching circuit.

Claim 13 (new): The surface-acoustic-wave-sensor-included oscillator circuit according to Claim 12, wherein the transistor is a field effect type transistor.

Claim 14 (new): A biosensor apparatus comprising the surface-acoustic-wavesensor-included oscillator circuit according to Claim 8.